

Claims

What is claimed is:

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1. A stick or soft solid suspension product comprising:

(a) 0.01-20 weight % of a polyacrylate superabsorbent polymer (sodium salt), with a salt or ionic strength tolerance under a Baseline Absorption Test sufficient to give at least 25 weight % water absorption;

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(b) 10-88 weight % of a volatile silicone having a flash point of 100 degrees C or less;

(c) a gelling agent selected from the group consisting of 5-30 weight % stearyl alcohol; 0.1-20 weight % waxes; 0.1-10 weight % (on an actives basis) silicone elastomer; 0.1-3 weight % siliconized polyamides; 0.1-20 weight % low molecular weight polyethylene having a molecular weight in the range of 400-1000 and combinations of the foregoing;

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(d) 0-5 weight % of a surfactant with a hydrophilic/lipophilic balance in the range of 3-13;

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(e) 0-25 weight % of an antiperspirant active or an effective amount of a deodorizing agent which is not an antiperspirant active;

(f) 0-20 weight % of a nonvolatile silicone having a flash point greater than 100 degrees C; and

(g) 0-20 weight % of an emollient;
provided that the water content is ≤ 2 weight %.

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2. A product according to Claim 1 comprising 0.1-10 % of the superabsorbent polymer.

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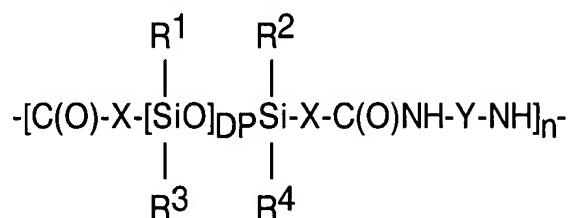
3. A product according to Claim 1 comprising 0.5-5 % of the superabsorbent polymer.

4. A product according to Claim 1 wherein the volatile silicone is a D4-D6 cyclomethicone.
5. A product according to Claim 1 comprising one or both of D5 and D6 cyclomethicones as the volatile silicone.
6. A product according to Claim 1 wherein the wax is Japan wax or a hydrogenated castor oil.
- 10 7. A product according to Claim 1 wherein the surfactant comprises about from 0.05-50 weight % of a silicone copolyol at a concentration of 10% in cyclomethicone, or an equivalent amount of silicone copolyol using a different dilution factor.
8. A product according to Claim 1 comprising 5-10 % of an antiperspirant active.
- 15 9. A product according to Claim 1 comprising 5-10 % of the nonvolatile silicone.
10. A product according to Claim 1 comprising 2-12 % of the emollient.
- 20 11. A product according to Claim 1 wherein the emollient is selected from the group consisting of C12-15 alkyl benzoate, PEG-8 distearate, PPG-3-myristyl ether, and polyisobutene 250 and comprises 2-12 weight % of the product.
- 25 12. A cosmetic product according to Claim 1 comprising an effective amount of a deodorizing agent which is not an antiperspirant active.
13. A cosmetic product according to Claim 1 comprising 5-30 weight % stearyl alcohol as the gelling agent.
- 30 14. A cosmetic product according to Claim 1 comprising 0.1-20 weight % waxes selected from the group consisting of Japan wax, hydrogenated castor oil with a melting point in the range of 50-90 degrees C and mixtures thereof.

15. A cosmetic product according to Claim 1 comprising a silicone elastomer as the gelling agent.

16. A product according to Claim 1 comprising a low molecular weight polyethylene having a molecular weight in the range of 400-1000 as the gelling agent.

17. A product according to Claim 1 comprising as the gelling agent a siliconized polyamide of Formula IIIA:



Formula IIIA

where:

(1) DP is a number in the range of 10-40;

(2) n is a number selected from the group consisting of 1-500;

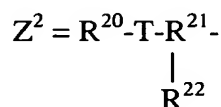
(3) X is a linear or branched chain alkylene having 1-30 carbons;

(4) Y is selected from the group consisting of linear and branched chain alkylenes having 1-40 carbons, wherein:

(A) the alkylene group may optionally and additionally contain in the alkylene portion at least one of the members of a group consisting of (i) 1-3 amide linkages; (ii) C5 or C6 cycloalkane (as a cycloalkylene linkage); and (iii) phenylene optionally substituted by 1-3 members selected independently from the group consisting of C1-C3 alkyls; and

(B) the alkylene group itself may optionally be substituted by at least one member selected from the group consisting of (i) hydroxy; (ii) C3-C8 cycloalkane; (iii) 1-3 members selected independently from the group consisting of C1-C3 alkyls; phenyl optionally substituted by 1-3 members selected independently from the group consisting of C1-C3 alkyls; (iv) C1 - C3 alkyl hydroxy; and (v) C1 - C6 alkyl amine; or $\text{Y} = \text{Z}^2$

where



- wherein each of R^{20} , R^{21} and R^{22} are independently selected from the group consisting of linear and branched C1-C10 alkylenes; and T is selected from the group consisting of (i) a trivalent atom selected from N, P and Al; and (ii) -CR, where R is selected from the group consisting of hydrogen, methyl, ethyl, propyl, isopropyl, a siloxane chain, and phenyl, wherein the phenyl may optionally be substituted by 1-3 members from the group consisting of methyl and ethyl; and
- (5) each of $R^1 - R^4$ is independently selected from the group consisting of methyl, ethyl, propyl, isopropyl, a siloxane chain, and phenyl, wherein the phenyl may optionally be substituted by 1-3 members from the group consisting of methyl and ethyl;
- wherein the polyamide of Formula IIIA has:
- (i) a silicone portion in the acid side of the polyamide;
 - (ii) a degree of polymerization in the range of 10-40;
 - (iii) an average molecular weight of at least 50,000 daltons with at least 95% of the polyamide having a molecular weight greater than 10,000 daltons; and
 - (iv) a polydispersity of less than 20.